

# M 5.9, 254 km NW of Tianpeng, China

Origin Time: 2022-06-09 17:28:37 UTC (Fri 01:28:37 local)

Location: 32.4126° N 101.8379° E Depth: 14.1 km

Created: 2 hours, 3 minutes after earthquake

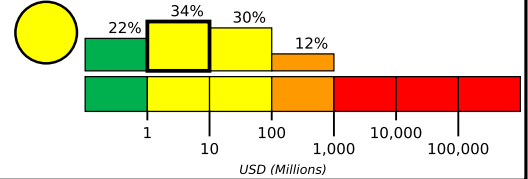
## Estimated Fatalities



Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of China. Past events with this alert level have required a local or regional level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

## Estimated Economic Losses

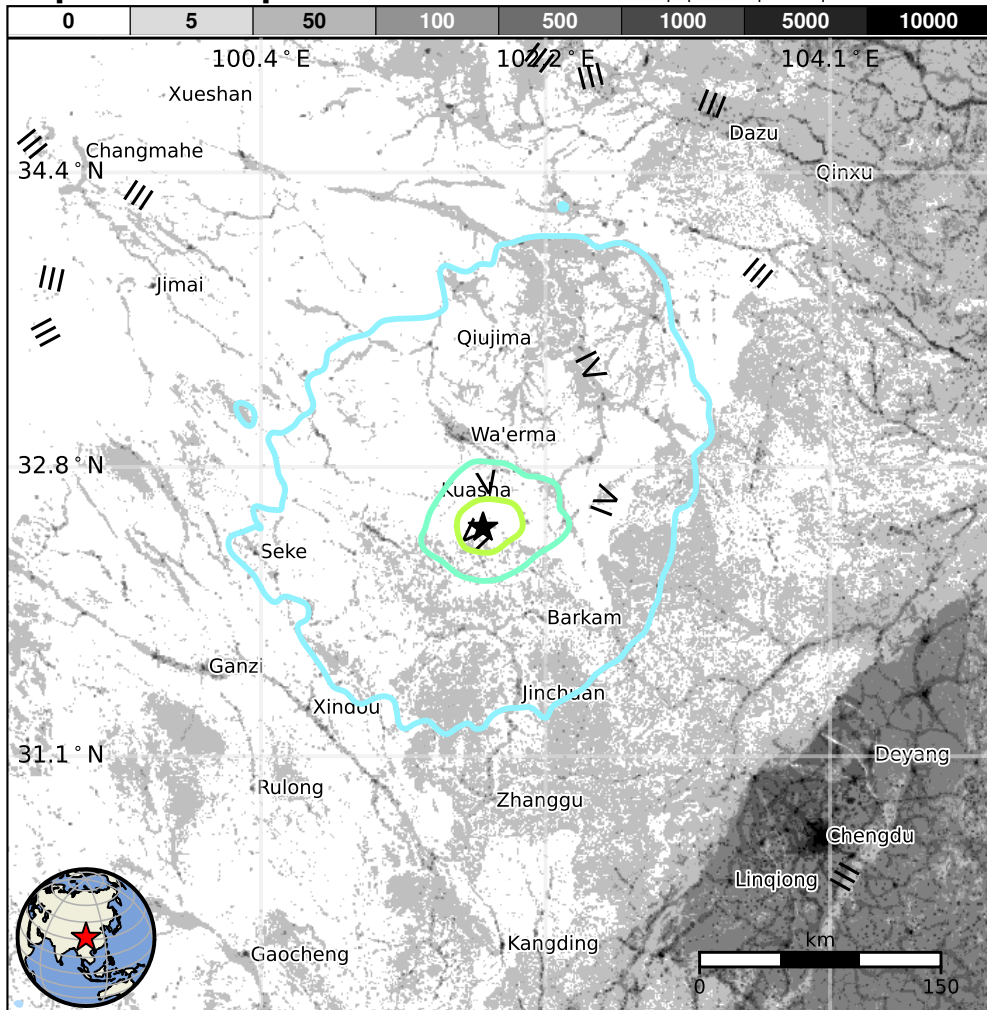


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	37,130k*	1,387k	21k	3k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2003-11-13	317	5.1	VI(45k)	1
1986-08-06	363	5.3	VI(1k)	2
1973-02-06	171	7.7	IX(31k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Rong'an	<1k
IV	Aba	<1k
IV	Kuasha	<1k
IV	Hezhi	<1k
IV	Dege	<1k
IV	Qiongxi	<1k
III	Chengdu	7,416k
III	Deyang	152k
III	Jiangyou	127k
III	Mianyang	264k
III	Kangding	100k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000hg9p/pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000hg9p